

WHAT IS CLAIMED IS:

1. A process for producing a non-toxic aromatic oil having
less than one mutogenicity index comprising the steps of:
5 pre-blending an extract from a lube plant and a
distillate in a feed tank; and

hydrotreating said pre-blend feed in the next stage.

10 2. A process for producing a non-toxic aromatic oil having a
mutogenicity index of less than one comprising the steps
of:
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mixing a suitable grade, calculated amount of an
extract stream to a distillate stream of desired
properties; and

18 treating said pre-blend feed in a hydrotreater.

3. The process of Claim 1 wherein said extract is selected
from the group consisting of different cuts of extracts
of a lube plant.

20 4. The process of Claim 1 wherein said distillate is
selected from the group consisting of different cuts of
distillates of a vacuum distillation unit.

5. The process of Claim 1 wherein the proportion of said
extract component to said distillate in said pre-blend is
in the range of 1-99 %.

6. The process of Claim 5 wherein the proportion of said extract component in said pre-blend is in the range of 1 - 50%.
7. The process of Claim 1 wherein said hydrogenation of said feed uses an appropriate hydrotreating catalyst selected for example from the group consisting of Nickel-Molybdenum and Nickel-Cobalt.
- 5 8. The process of Claim 1 wherein said hydrotreating process is performed at a pressure in the range of 400-3000 psi, and at a temperature in the range of 400-800 °F.
- 10 9. The process of Claim 8 wherein said hydrotreating process is performed at a pressure in the range of 900-1200 psi, and at a temperature in the range of 400-800 °F.
- 15 10. The process of Claim 8 wherein said hydrotreating process is performed at a pressure in the range of 400-3000 psi, and at a temperature in the range of 510-610 °F.
11. The process of Claim 1 wherein said hydrotreating process is performed at a pressure in the range of 900-1200 psi, and at a temperature in the range of 510-610 °F.

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